

## Claims

- [c1] 1. A method of removing a memory of a scanning apparatus, wherein the scanning apparatus comprises an image extraction device operative to transmit each pixel of data of a scan line to a computer during a period referred to as an exposure time of a dumping signal via a shift signal, the method includes: adjusting a period of the shift signal according to a speed of reading the data of the scan line by the computer, allowing the computer to finish reading the data of the scan line in the exposure time.
- [c2] 2. The method according to claim 1, wherein when the shift signal transmits each pixel of the data of the scan line to the computer in a time shorter than the exposure time, a waiting time is added to equal the exposure time.
- [c3] 3. The method according to claim 1, wherein the exposure time is constant.
- [c4] 4. The method according to claim 1, wherein the exposure time is variable.
- [c5] 5. The method according to claim 1, wherein the dumping signal is enabled at a high level.
- [c6] 6. The method according to claim 1, wherein the shift signal is enabled at a high level.
- [c7] 7. The method according to claim 1, wherein the image extraction device includes a charge-coupled device.
- [c8] 8. The method according to claim 1, wherein the memory includes a dynamic random access memory.
- [c9] 9. A method of removing a memory from a scanning apparatus, wherein the scanning apparatus includes an image extraction apparatus operative to transmit each pixel of data of a scan line to a computer via a shift signal during a period of a dumping signal, also referred to as an exposure time, the method comprising: shortening a period of the shift signal when the computer uses a fast processing speed to process the data of the scan line; and

increasing the period of the shift signal when the computer uses a slow processing speed to process the data of the scan line;

wherein the computer has to finish reading the data of the scan line in the exposure time.

- [c10] 10. The method according to claim 9, wherein when each pixel of the data of the scan line is transmitted to the computer in a time shorter than the exposure time, a waiting time is added to equal the exposure time.
- [c11] 11. The method according to claim 9, wherein the exposure time is constant.
- [c12] 12. The method according to claim 9, wherein the exposure time is variable.
- [c13] 13. The method according to claim 9, wherein the dumping signal is enabled at a high level.
- [c14] 14. The method according to claim 9, wherein the shift signal is enabled at a high level.
- [c15] 15. The method according to claim 9, wherein the image extraction device includes a charge-coupled device.
- [c16] 16. The method according to claim 9, wherein the memory includes a dynamic random access memory.